

Mouse anti-Human EGFR Monoclonal Antibody | anti-EGFR antibody

EGFR Antibody (C-term)

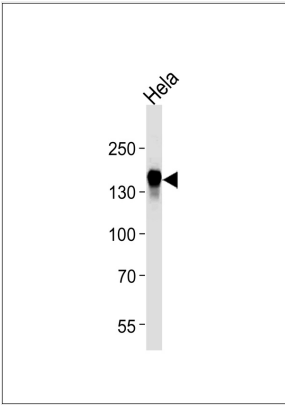
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28637	Mouse	Human	Western Blot, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

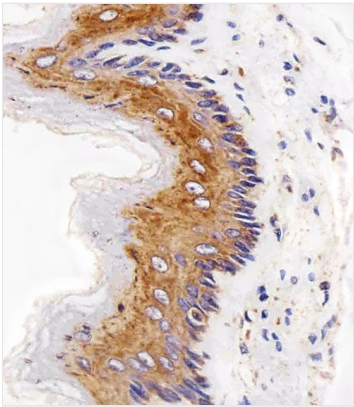
EGFR; Monoclonal Antibody; EGFR Antibody (C-term); Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1; ERBB; ERBB1; HER1; anti-EGFR antibody

PRODUCT SPECIFICATIONS

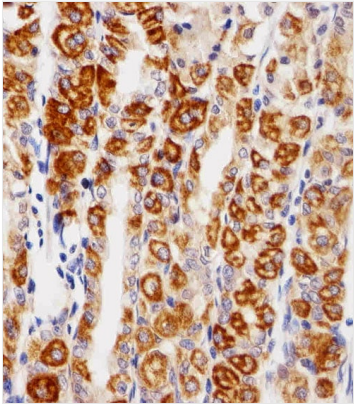
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	688CT33.1.3
Specificity	This EGFR antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 1163-1191 amino acids from the C-terminal region of human EGFR.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1163-1191
Sequence Length	1210
Applicable Applications for anti-EGFR antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry)
Application Notes	IHC~~1:25 WB~~1:1000
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



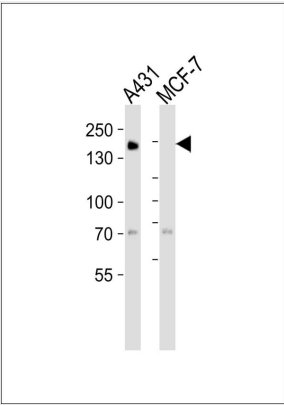
WB (Western Blot)
EGFR Antibody (C-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the EGFR antibody detected the EGFR protein (arrow).



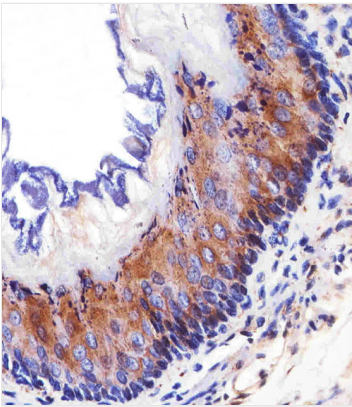
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded R. esophagus section using EGFR Antibody (C-term). AAA28637 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



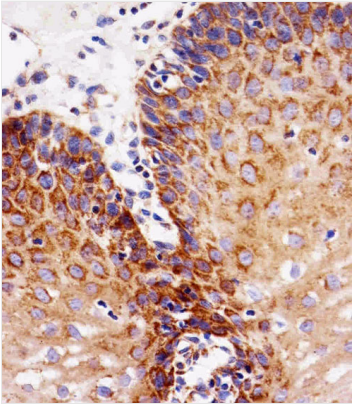
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. stomach section using EGFR Antibody (C-term). AAA28637 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



WB (Western Blot)
Western blot analysis of lysates from A431, MCF-7 cell line (from left to right), using EGFR Antibody (C-term). AAA28637 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded M. esophagus section using EGFR Antibody (C-term). AAA28637 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. esophagus section using EGFR Antibody (C-term). AAA28637 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.
Product Categories/Family for anti-EGFR antibody	Crown Antibodies; Cancer; Signal Transduction
References	Abdallah, R.T., et al. J. Biol. Chem. 285(45):35206-35215(2010) Lu, C., et al. Mol. Cell. Biol. 30(22):5432-5443(2010) Rosell, R., et al. Ann. N. Y. Acad. Sci. 1210, 45-52 (2010) : Hata, A., et al. J Thorac Oncol 5(10):1524-1528(2010) Aguirre, A., et al. Nature 467(7313):323-327(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2; NP_958439.1; NP_958440.1; NP_958441.1
NCBI GenBank Nucleotide #	NM_005228.3
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	134277
NCBI Official Full Name	epidermal growth factor receptor isoform a
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	EGFR
UniProt Synonym Gene Names	ERBB; ERBB1; HER1
UniProt Entry Name	EGFR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/egfr-antibody-clone-688ct33-1-3-western-blot-immunohistochemistry-elisa/28637>